**JavaScript Topics:**

**1. Event Loop**

Answer: Event Loop in JavaScript is a mechanism which execute the functionality in the callback queue ,

It placed the loop in the call stack

Example:

setTimeout(function timer(){

console.log ('You clicked the button').

}, 2000).

console.log("Hi").

setTimeout(function timeout() {

console.log ("Click the button")

}, 5000).

console.log ("Welcome to pagatpat")

**2. Hosting**

Answer: It's a default nature of JavaScript

**3. Const, Let & Var**

**4. Promise**

A Promise is a proxy for a value not

**setTimeout / setInterval**

**Call, Bind & apply**

**rest Operator / spread oparator**

**Array. reverse**

**Shallow copy & Deep Copy**

Both are copied of the object. In shallow copy changes are reflect the original object and in Deep copy changes are reflected

**Example:**

old\_list = [[1, 1, 1], [2, 2, 2], [3, 3, 3]]

new\_list = copy.deepcopy(old\_list)

old\_list[1][0] = 'BB'

new\_list[2][0] = 'BBADD'

print ("Old list:", old\_list)

print ("New list:", new\_list)

**closure**

**JavaScript Recursion**

**reduce function**

**map / reduce**

**difference b/w promise & callback**

**asysc , await & defer**

**React Topic:**

**1. Hooks:**

Hooks were added to React in version 16.8.

**a.useContext**

It can be used together

**class based lifecycle method**

**getderivedstatefromprops**

**Implement lifecycle in the Function component**

**Pure component**

**Higher Order component**

**localization of react app**

**reconciliation in react js**

**React fiber**

**synthetic events in react**

**Prop drilling**

**Redux**

**context api in react js**

**Why we are using redux**

**getDispatchtoProps**

**getmaptoProps**

Middleware:

**Thunk**

makeStyles is a function from Material-UI that allows us to create CSS classes and rules using JavaScript objects